GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:1790
ANSWERED ON:14.03.2002
PROGRESS OF LAUNCHING ACCELERATED POWER DEVELOPMENT PROGRAMME
SUDIP BANDYOPADHYAY

Will the Minister of POWER be pleased to state:

(a) the details of progress of launching Accelerated Power Development Programme (APDP) throughout the country;

(b) the details of areas identified for distribution circles;

(c) the steps taken to manage badly run State Electricity Boards (SEBs); and

(d) the names of States where SEBs have succeeded to achieve target of electrification of 100%?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a) to (c) : The details of progress of Accelerated Power Development Programme (APDP) schemes in the 63 identified distribution circles and steps taken to improve commercial viability of State Electricity Boards are given at Annexure-I & II respectively.

(d) : Andhra Pradesh, Goa, Gujarat, Haryana, Kerala, Maharashtra, Punjab, Sikkim and Tamil Nadu have achieved 100% village electrification.

ANNEXURE-I

ANNEXURE-I REFERRED TO IN REPLY TO PARTS (a) TO (c) OF THE UNSTARRKED QUESTION NO.1790 TO BE ANSW IN THE LOK SABHA ON 14.3.2002.

Status of progress of the Schemes for Year 2000-01 under APDP scheme

Circlewise Summary
State circle Scheme for the year 2000-01

Cost of APDP Fund Loan Status
Project

Sanct Relea Sanct Released
AcC : POWERGRID Award placed. Delivery
commenced from Dec 2001 &
Comm by March, 2002
UP Moradabad(U) 14.41 7.21 7.21 6.05 PFC
Gorakpur(U) 11.64 5.82 5.82 4.89 PFC
Bareily(U)
Sub-Total 26.05 13.03 13.03 10.94

Bihar PESU(East) 8.93 4.46 4.46 PFC Funds not diverted from Govt.of
Bihar to BSEB. Re-conductoring
work in progress. For meters and
capacitors,Bids under evaluation
Patna 5.58 2.79 2.79 PFC
Muzzaffarpur 7.82 3.91 3.91 PFC
Sub-Total 22.33 11.16 11.16

Goa North Goa 8.85 4.4 4.45 1.67 Work in progress. To be
completed by Mar,2002

Mahara Ratnagiri 24.15 12.08 12.08 REC 12.08 Scheme revised and
shtra resubmitted in 2001-02

Sindhudurg

Sub-Total 24.15 12.08 0 12.08 12.08

AcC : POWERGRID & ERDA

Gujarat Jamnagar 22.78 11.39 11.39 11.39 11.39 Work in progress. To be
completed by Mar,2002
Himatnagar
Sabarmati
Bhuj 192 96 96 Yet to be started

Sub-Total 214.78 107.39 107.39 11.39 11.39

AcC : NPC

H.P Shimla 25.32 22.79 22.79 2.53 2.53 Procurement completed. Work
in progress. To be completed
by Apr,2002
Solan
Nahan
Hamirpur
Sub-Total 25.32 22.79 22.79 2.53 2.53

West Howrah 37.2 18.6 16.75 27.8 Work in progress. Procurement.
Bengal of meters under progress.

24 Pargana (S) PFC
Bidhannagar
Sub-Total 37.2 18.6 16.75 27.8

Assam Dibrugarh 14.99 13.473@ 13.473 1.497@ 1.497 For meters, orders placed for
procurement. For other
proposals,work not yet started.
Guwahati -II 21.85
Jorhat 33.05
Sub-Total 69.89 0 13.473 0 1.497

AcC : WAPCOS

Punjab Patiala 18.19 9.1 9.1 9.1 REC 9.1 Work in Progress
Mohali 25.21 6.25 6.25 6.25 PFC 6.25 - do -
Khanna 20.23 10.12 10.12 8.07 8.07 - do -
Sub-Total 63.63 25.47 25.47 23.42 23.42

Total 492.2 214.92 210.063 92.61 52.58

@ Money sanctioned and released for Silcher circle. Approval from MOP for
shifting funds to identified circles not yet obtained.

Summary of Proposal for the Year 2000-01 under APDP scheme

Circlewise Summary

State circle Scheme for the year 2000-01

Cost of APDP Fund Loan Status
Project Sanct Releas Sanct Relea

AcC : NTPC				Line bifurcation works started. Bids under invitation for others.
Haryana	Karnal	75.56	8.28	
	Sonepat	5.38		
	Hissar	7.48		
	Faridabad	16.64		
	Sub-Total	75.6	37.78	
Mahara-shtra	Jalgaon	156.28	38.14	Material Deliveries Commenced & works started
	Sholapur	20		
	Osmanabad	20		
	Sub- Total	156	78.14	
Madhya Pradesh	Indore	76.76	20.43	Awards placed for DTs & meters Bids opened for Capacitors
	Gwalior	6.42		
	Ujjain	11.53		
	Sub-Total	76.8	38.38	
Chattis-garh	Raipur	20.52	3.7	Meters Available Bids for capacitors to be invited
	Bilaspur	3.2		
	Rajnandgaon	3.36		
	Sub-Total	20.5	10.26	
AcC : CPRI				
Andhra Pradesh	Eluru	99.6	18.32	9.9 crores utilised
	Warangal	14.85		16.54 crores utilised
	Tirupati	16.63		14.04 crores utilised
	Sub-Total	99.6	49.8	
Kerala	Kasargod	44.84		MOU not signed
	Manjeri	15.16		
	Pathanamitihitta	7.26		
	Sub-Total	44.8	22.42	
Karnataka	Belgaum	114.52	10.66	7.67 crores utilised
	Bijapur	22.87		7.67 crores utilised
	Mysore	23.73		13.13 crores utilised
	Sub-Total	115	57.26	
AcC : MECON				
Rajasthan	Alwar	90.02	9.66	2.13 crores spent till Sept 2001
	Jhunjunu	5.93		
	Jodhpur	29.42		
	Sub-Total	90	45.01	
Tamil Nadu	Pudikkottai Villupuram	24.2	12.1	Funds not drawn
	Coiambattore			
	Sub-Total	24.2	12.1	
Jharkand	Ranchi	43.96	14.95	No schemes proposed
	Dumka			
	Hazaribagh			
	Loyabad	7.03		
	Sub-Total	44	21.98	
	Total	746	373.13	

ANNEXURE-II

ANNEXURE-II REFERRED TO IN REPLY TO PARTS (a) TO (c) OF THE UNSTARRKED QUESTION NO.1790 TO BE ANSW IN THE LOK SABHA ON 14.3.2002.

REFORMS IN DISTRIBUTION SYSTEM

Distribution is a most vital link of the power system and also the weakest link and should be the key area of the focus in power sector reform process given that 75-80% of total T&D losses and almost entire commercial loss take place at the Distribution stage only. The objectives of the distribution reform, therefore, is to bring T&D losses to around 10% from existing over 50% and supply quality & reliable power to the consumers at reasonable cost. Theft alone account for over Rs 20,000 crores annually. Distribution system is also characterized by inefficiency, frequent interruptions and poor voltage. It is possible to bring down T&D losses from existing over 50% to nearly 10% through various technical and commercial measures. It is estimated that 15% reduction in T&D loss at the national level is equivalent to additional generation of about 700 MW. An additional capacity of 10,000-12,000 MW could be created with much lower investment.

Measures for reducing T&D losses

Measures need to be taken for reducing T&D losses would be both on the technical front as well as the administrative front.The technical losses can be reduced by adopting high voltage distribution system where LT lines are replaced with HT lines through reconfiguration of the existing system, installation of low capacity energy efficient, distribution transformers for feeding a small number of consumers, installation of capacities for power factor correction, reconductoring of LT lines where line losses are high etc. This requires detailed study of network and load data followed by their analysis through computer aided tools and to prepare a comprehensive system improvement design.

On the other hand commercial losses can be brought down significantly by installing tamper proof meters on all consumers followed by detailed energy accounting. Considering the importance of metering and reduction of T&D losses in the Power Ministers Conference held on 26.2.2000, it was resolved to have :

(i) Energy Audit at all levels

(ii) Time bound programme of 100% metering of all consumers by December, 2001.

(iii) Reduction and finally, elimination of power theft within a specified time frame.

(iv) Strengthening/upgradation of sub transmission and distribution system by taking sub-station as a unit on a priority basis.

In pursuance of the decision of the Power Minister`s Conference 100% metering programme has been taken up in two phases:

(i) Phase-I Metering upto 11 kv Feeders and HT consumers upto March, 2001.

(ii) Phase-II Metering of all consumers by December, 2001.

Accelerated Power Development Programme

In order to progressively implement, inter alia, upgradation of Sub-transmission & distribution network with the objective of accomplishing reduction of T&D technical & commercial losses, improvement of revenue realization and supply of reliable & interruption free power, the Government of India approved during 2000-01 a scheme called Accelerated Power Development Programme (APDP) to provide systematic finance to enable SEBs/Utilities to take up distribution sector reformDuring the year 2000-01 and 2001-02, the Government have provided Rs.1000 crores and Rs.1500 crores respectively to the State Governments as an additional central plan assistance. The funds are released under APDP with the funding modalities as under:

Sl.No. Category of States % of projects/scheme Cost from APDP as % of projects Scheme cost from PFC/REC/own/ other sources

	Grant	Loan
1. Special Category States	90	10
2. Non Special Category States	25	25 50

APDP is used as an instrument to leverage reforms in the State power sector.Thus funds under APDP is released only to those States which have executed with the Ministry of Power an MOU committing to a time-bound reforms and restructuring process in the State power sector so that the SEBs/State Utilities attain commercial viability.APDP is to continue till 2012 as per the Cabinet decision.

Pilot Demonstration - 63 Distribution Circles under APDP

With the objective of achieving contemplated benefits in term of reduction of T&D losses through investments made in upgradation of sub-transmission & distribution network, the Ministry of Power decided to focus the attention to few areas and in consultation with the State Governments have identified 63 distribution circles in different States in different States in the first phase, to be developed into Centre of Excellence/Pilot demonstration under APDP.

Formulation of guidelines by Steering Committee of Experts

A Technical Manual/Guidelines for Project formulation, Specification of Distribution equipment, Project implementation and Monitoring, Energy audit & accounting system has been prepared by the Ministry of Power through a Committee of Experts.It provides different task required for project implementation, steps that need to be followed and milestone & deliverables for each task. This technical manual will
(i) enable the SEBs to formulate and implement projects aimed at upgradation of sub-transmission & distribution network and
(ii) enable SEBs and Ministry of Power to effectively undertake the proper management both at local and apex levels.